

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(rod with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L2	4	(string with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L3	7	(voltage with current with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L4	3	(load with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L5	4	(position with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:24
L6	2	(rod with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:23
L7	3	(string with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:24
L8	2	(voltage with current with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:23
L9	0	(position with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:24
L10	777	beck.in.	US-PGPUB	OR	ON	2006/02/09 11:24
L11	18	10 and (rod with pump)	US-PGPUB	OR	ON	2006/02/09 11:24

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(rod with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L2	4	(string with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L3	7	(voltage with current with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L4	3	(load with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:23
L5	4	(position with pump with torque with velocity)".clm"	US-PGPUB	OR	ON	2006/02/09 11:24
L6	2	(rod with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:23
L7	3	(string with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:24
L8	2	(voltage with current with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:23
L9	0	(position with pump with torque with velocity).clm.	US-PGPUB	OR	ON	2006/02/09 11:24
L10	777	beck.in.	US-PGPUB	OR	ON	2006/02/09 11:24
L11	18	10 and (rod with pump)	US-PGPUB	OR	ON	2006/02/09 11:24

S1	206	("3343409" "3585484" "3851995" "3854846" "3915225" "3918843" "3930752" "3936231" "3938910" "3951209" "3963374" "3965983" "3998568" "4058757" "4102394" "4118148" "4145161" "4171185" "4194393" "4220440" "4286925" "4363605" "4390321" "4406122" "4438628" "4474002" "4476418" "4480960" "4483186" "4487061" "4490094" "4507055" "4508487" "4508488" "4509901" "4534168" "4534706" "4541274" "4583915" "4594665" "4631954" "4661751" "4681167" "4695779" "4741397" "4747451" "4830112" "4859151" "4873635" "4935685" "4971522" "4973226" "5006044" "5044888" "5064349" "5129267" "5167490" "5180289" "5024595" "5222867" "5224834" "5230607" "5237863" "5246076" "5251696" "5252031" "5281100" "5284422" "5316085" "5318409" "5362206" "5372482" "5425623" "5441389" "5444609" "5458466" "5634522" "5819849" "5823262" "5829530" "5868029" "5941305" "5996691" "6041856" "6043569" "6079491" "6092600" "6127743" "6129110" "6155347" "6176682" "6464464" "6585041" "5129264").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:36
S2	0	S1 and ((voltage and current) with (torgue and velocity)) and (load and position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:37
S3	0	S1 and ((voltage and current) with (torgue and velocity)) and (load or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:37
S4	1	S1 and ((voltage and current) with (torgue or velocity)) and (load or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:53

S5	4	S1 and ((voltage or current) with (torque or velocity)) and (load or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:10
S6	27	S1 and ((voltage or current) with (determine or detect)) and (load or position or torque or velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:11
S7	9	S1 and ((voltage or current) with (determine or detect)) and ((load or position) and velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:11
S8	6	S7 not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:18
S9	5528	well and pump and rod and valve and string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:22
S10	5	S9 and ((voltage or current) with (determine or compute) with (torque or velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:21
S11	4	S9 and (((voltage or current) with (determine or compute) with (torque or velocity)) same (load or position or velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:22
S12	86808	well and pump and rod and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:22

S13	72	S12 and (((voltage or current) with (determine or compute) with (torque or velocity)) same (load or position or velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:23
S14	65	S12 and (((voltage or current) with (determine or compute) with (torque or velocity)) same (load or position or velocity)) and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:23
S15	16	S12 and (((voltage or current) with (determine or compute) with (torque or velocity)) same ((load or position) same velocity)) and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:24
S16	206	("3343409" "3585484" "3851995" "3854846" "3915225" "3918843" "3930752" "3936231" "3938910" "3951209" "3963374" "3965983" "3998568" "4058757" "4102394" "4118148" "4145161" "4171185" "4194393" "4220440" "4286925" "4363605" "4390321" "4406122" "4438628" "4474002" "4476418" "4480960" "4483186" "4487061" "4490094" "4507055" "4508487" "4508488" "4509901" "4534168" "4534706" "4541274" "4583915" "4594665" "4631954" "4661751" "4681167" "4695779" "4741397" "4747451" "4830112" "4859151" "4873635" "4935685" "4971522" "4973226" "5006044" "5044888" "5064349" "5129267" "5167490" "5180289" "5024595" "5222867" "5224834" "5230607" "5237863" "5246076" "5251696" "5252031" "5281100" "5284422" "5316085" "5318409" "5362206" "5372482" "5425623" "5441389" "5444609" "5458466" "5634522" "5819849" "5823262" "5829530" "5868029" "5941305" "5996691" "6041856" "6043569" "6079491" "6092600" "6127743" "6129110" "6155347" "6176682" "6464464" "6585041" "5129264").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:24

S17	4	S16 and ((voltage or current) with (torgue or velocity)) and (load or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:24
S18	9	S16 and ((voltage or current) with (determine or detect)) and ((load or position) and velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:24
S19	6	S18 not S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:24
S20	16	S15 not S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:26
S21	2557	417/1,44.1,44.11,42,555.1,555.2, 556.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:17
S22	43	S21 and ((voltage and current) with (torque or velocity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:29
S23	42	S22 and (load or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:29
S24	14	S22 and ((load or position) with velocity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:29

S25	11	S22 and ((load or position) with velocity) and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:30
S26	3	S22 and ((load or position) with velocity) and signal and model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 16:40
S27	8	S25 not S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 17:08
S28	10	("5281100" "5372482" "5362206" "4509901" "20030180151").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 17:09
S29	2557	417/1,44.1,44.11,42,555.1,555.2,556.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:18
S30	19	S29 and ((torque and velocity) same (voltage or current))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:23
S31	10	S29 and ((torque and velocity) with (voltage or current))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:18
S32	5	S31 and pump and string	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:22

S33	3374	rod same pump same string same (well or downhole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:23
S34	15	S33 and ((torque and velocity) same (voltage or current))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:26
S35	3374	rod same pump same string same (well or downhole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:26
S36	9	S35 and ((torque and velocity) with (voltage or current))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:31
S37	8	S35 and ((torque and velocity) with (voltage and current))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:26
S38	2	"6265786".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:31
S39	2	S38 and load	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:32
S40	1	S38 and load and position	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:32



S41	1	S38 and load and position and velocity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:32
S42	1	S38 and load and position and velocity and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:45
S43	2	"5362206".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:45

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1597	417/53.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 17:00